

# ANNEX - I

## TECHNICAL SPECIFICATION REQUIREMENT FOR SMF BATTERY ON BUY BACK

S/No		
	<b>SMF BATTERY 12V, 42 AH</b>	
(a)	Rack Make – QUANTA	
(b)	Rack Model – 12 AL 42	
(c)	Nominal Voltage : 12V	
(d)	Rated Capacity : 42 AH	
(e)	Terminals : Should be L type made with automatic post burning process.	
(f)	Sealed maintenance free and VRLA type	
(g)	Charger Setting @ 27° C	: Float   Boost
	Charging Voltage per 12 V Module :	13.50 V   13.80 V
	Should Have UL approval for safety	
(h)	Should be JIS 8702C	
	Quality System practices – EN ISO 9001 : 2008, ISO/TS 16949 : 2009 EN ISO 14001: 2004 , OHSAS 18001 : 2007	
(i)	Proof of cycle life testing through an independent testing laboratory like ETDC must be submitted before supplying the batteries.	
(j)	Percentage DOD	Minimum No . of Cycles
	100 %	275 – 325
	50%	550 – 625
	30%	1150 – 1350
	<b>Battery Construction</b>	
	Container	: Poly Propylene co polymer plastic material
	Cover	: Poly Propylene co polymer plastic material
	Terminal	: Lead
	Grid Design	: Radial Grid
	Container design	: Reinforced end wall
	Container Material	: PPCP
	Connectors	: Elastomeric connectors
	Acid Filling	: Totally automated & vaccummised
	Terminal Design	: Flappon
	Dimension ( +/- 2 mm ):	Length – 199 / Width – 167 / Height – 175
	Weight ( k gs )	: 14 .0 kg (Approx.)
	<b>Credentials &amp; Eligibility</b>	
	The Technical Specification along with Credentials & Eligibility should be certified and verified in the tender by the OEM incase of Authorized Sales & Service provider participating in the tender.	